GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:2869
ANSWERED ON:17.12.2008
DE-CONTAMINATION KIT BY BARC
Sai Shri Nand Kumar;Singh Shri Sugrib

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether the Bhabha Atomic Research Centre(BARC) has designed and developed a portable personnel de-contamination kit;

(b) if so, the details thereof outlining its function;

(c) the details of the utility of this de-contamination kit; and

(d) the locations wherefrom the said kit has been functioning?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER`S OFFICE AND MINISTRY OF PERSONNEL,PUBLIC GRIEVANCES AND PENSIONS(SHRI PRITHVIRAJ CHAVAN)

a) Yes,Sir.

b) The Portable Personnel Decontamination Kit (PPDK) was developed by BARC to respond to any radiological emergency that may strike in public domain.PPDK comprises of inflatable/deflatable structure along with separate area for radiation monitoring and decontamination.It has separate provision for pressurised water delivery and waste water collection.The system has battery and inverter for power backup.The full kit is packed in eight packets which can be transported to the required location and can be erected within half an hour for use.

c) In case of any radiological emergency in public domain where there is likelihood of persons getting contaminated, PPDK will be of great utility in decontaminating the public.This will protect persons from any possible radiation exposure from the radioactive contamination. It is expected that using this design, Defence and other National Emergency Response Agencies can develop and maintain such units in their facilities.

d) One unit is functional at Bhabha Atomic Research Centre (BARC), Mumbai and is being used during emergency exercises.Improved version of four units of PPDK is under fabrication for use in the metropolitan cities.